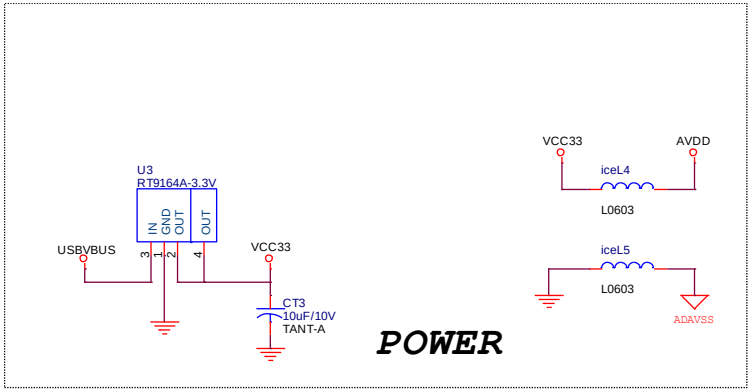

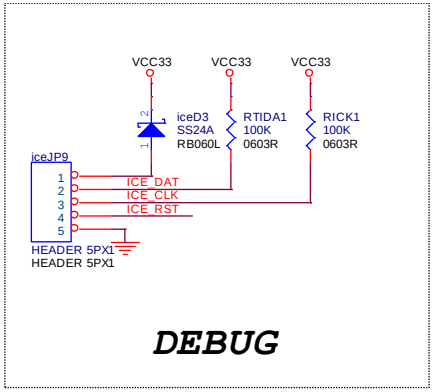

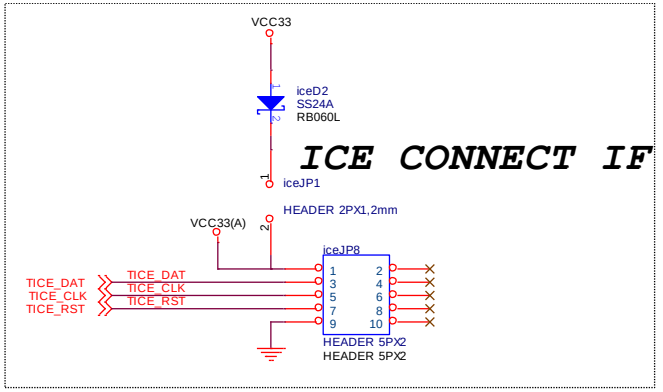

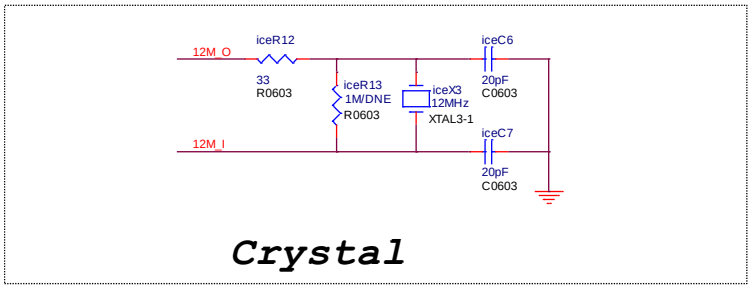

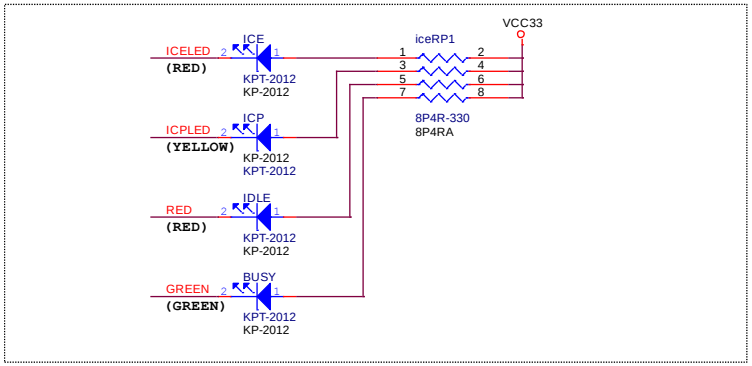

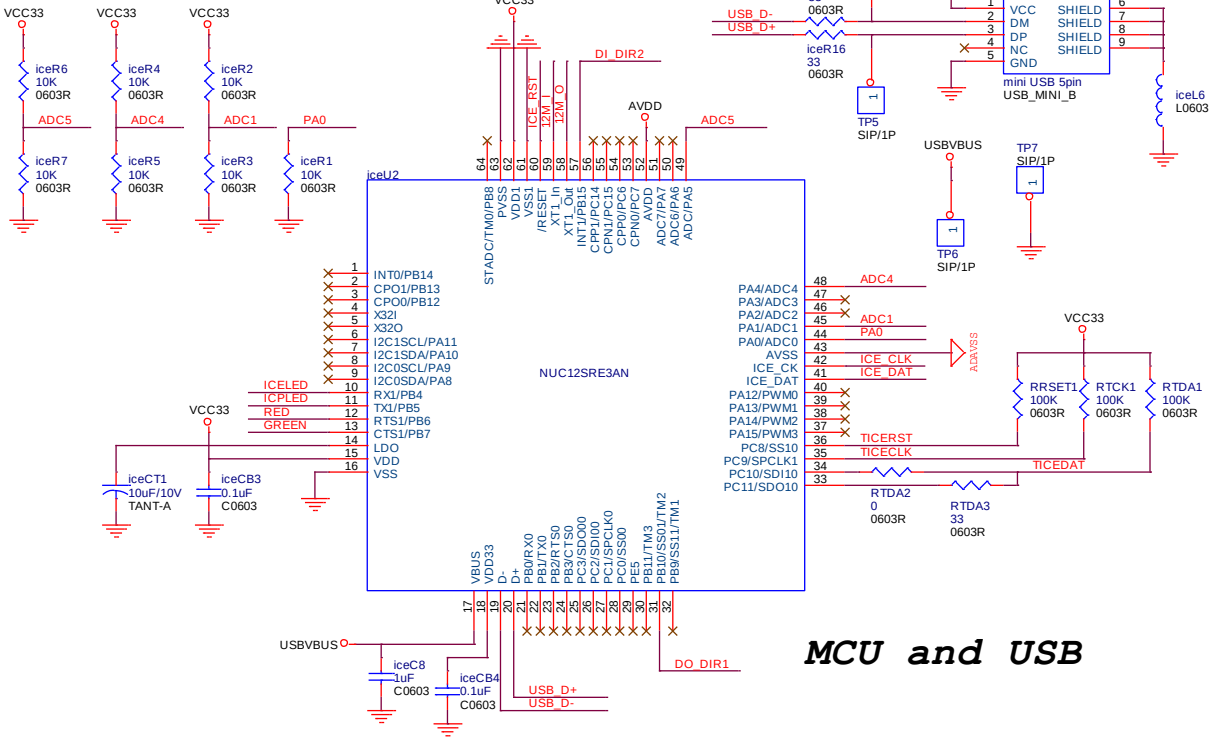

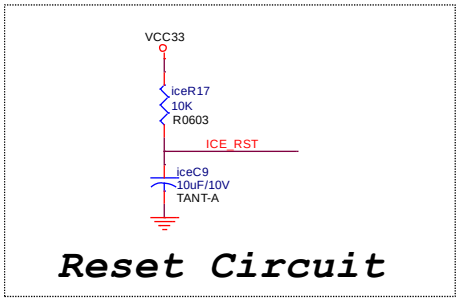

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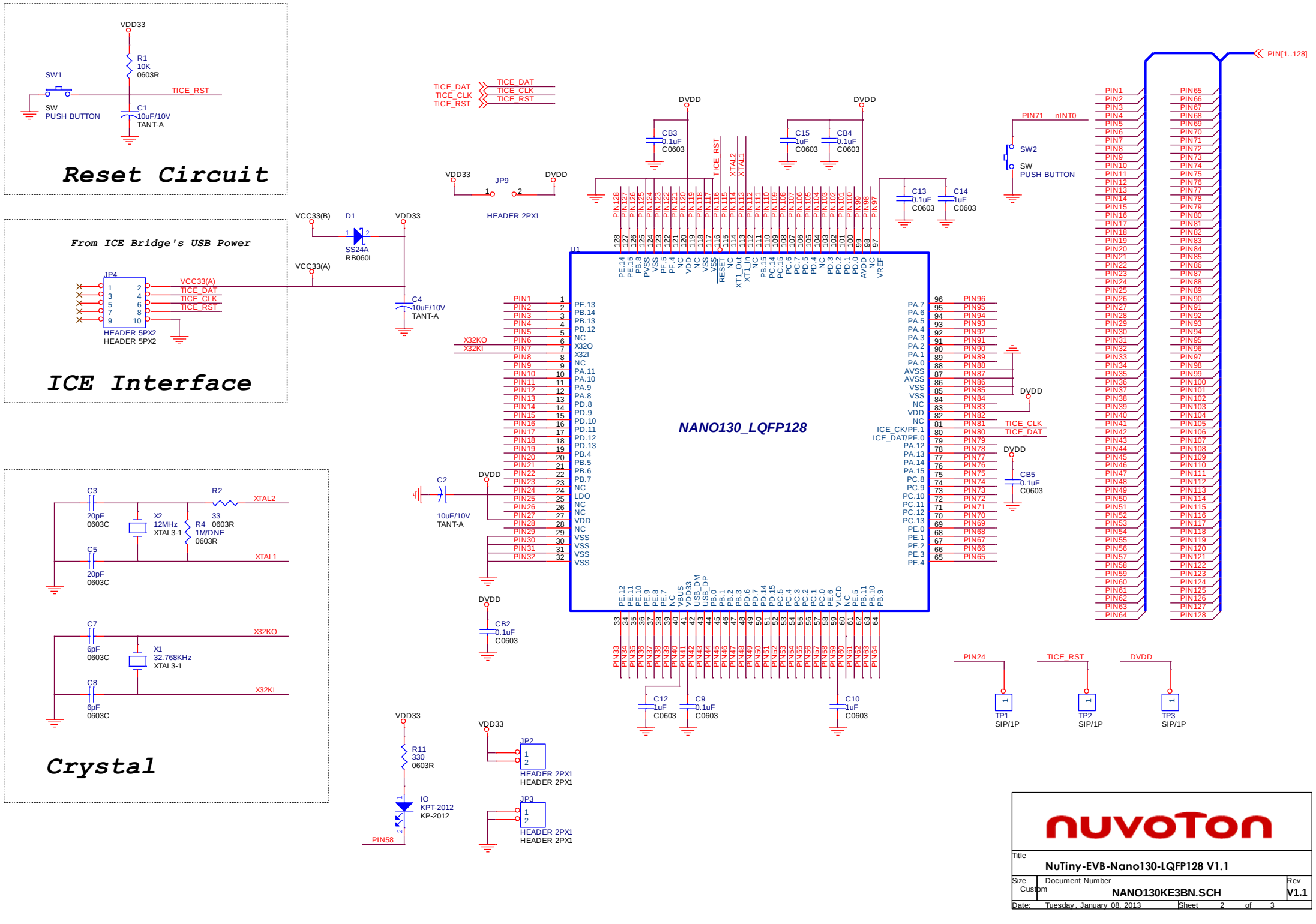
Date: Wednesday, October 31, 2012	Sheet 1 of 3	


Reset Circuit
VDD33
R1
10K
0603R
SW1
TICE_RST
SW
PUSH BUTTON
C1
10uF/10V
TANT-A
From ICE Bridge's USB Power
JP4
VCC33(A)
TICE_DAT
TICE_CLK
TICE_RST
HEADER 5PX2
HEADER 5PX2
ICE Interface
VCC33(B)
D1
SS24A
RB060L
VCC33(A)
C4
10uF/10V
TANT-A
Crystal
C3
20pF
0603C
X2
12MHz
XTAL3-1
R2
33
R4 0603R
1W/DNE
0603R
XTAL2
C5
20pF
0603C
XTAL1
C7
6pF
0603C
X1
32.768KHz
XTAL3-1
X32KO
C8
6pF
0603C
X32KI
TICE_DAT
TICE_CLK
TICE_RST
VDD33
JP9
DVDD
HEADER 2PX1
DVDD
CB3
0.1uF
C0603
C15
1uF
C0603
CB4
0.1uF
C0603
C13
0.1uF
C0603
C14
1uF
C0603
PIN71
nINT0
SW2
SW
PUSH BUTTON
U1
NANO130_LQFP128
C2
10uF/10V
TANT-A
X32KO
X32KI
DVDD
CB5
0.1uF
C0603
TICE_CLK
TICE_DAT
CB2
0.1uF
C0603
C12
1uF
C0603
C9
0.1uF
C0603
C10
1uF
C0603
PIN24
TICE_RST
DVDD
TP1
SIP/1P
TP2
SIP/1P
TP3
SIP/1P
VDD33
R11
330
0603R
IO
KPT-2012
KP-2012
PIN58
VDD33
JP2
HEADER 2PX1
HEADER 2PX1
JP3
HEADER 2PX1
HEADER 2PX1
PIN[1..128]
nuvoTon
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NuTiny-EVB-Nano130-LQFP128 V1.1
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Custom
Document Number
NANO130KE3BN.SCH
Rev
V1.1
Date:
Tuesday, January 08, 2013
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2
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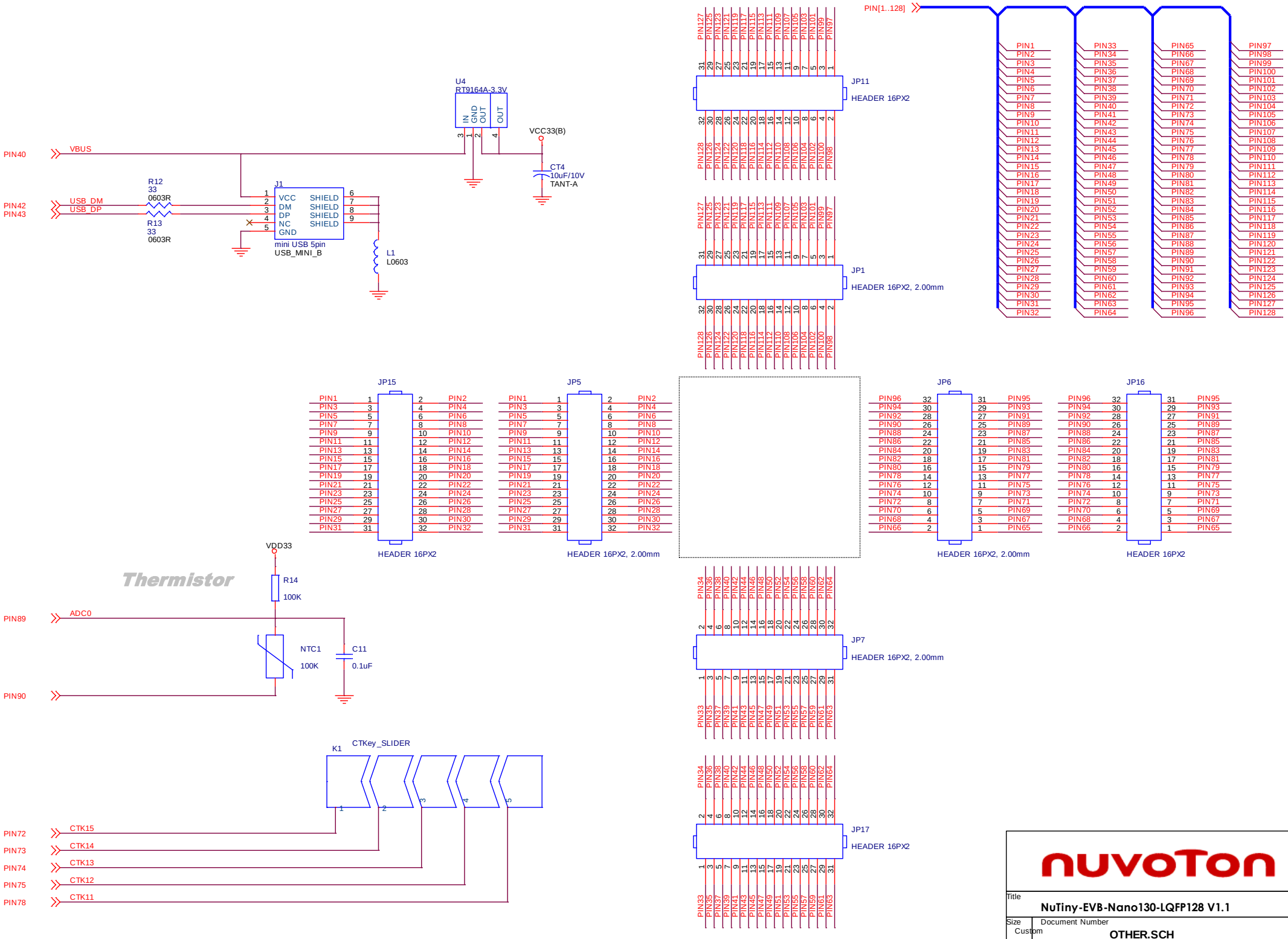
3


PIN[1..128]
JP11
HEADER 16PX2
JP1
HEADER 16PX2, 2.00mm
U4
RT9164A-3.3V
IN
GND
OUT
OUT
VCC33(B)
CT4
10uF/10V
TANT-A
PIN40
VBUS
PIN42
USB_DM
PIN43
USB_DP
R12
33
0603R
R13
33
0603R
J1
VCC
DM
DP
NC
GND
SHIELD
mini USB 5pin
USB_MINI_B
L1
L0603
JP15
HEADER 16PX2
JP5
HEADER 16PX2, 2.00mm
JP6
HEADER 16PX2, 2.00mm
JP16
HEADER 16PX2
JP7
HEADER 16PX2, 2.00mm
JP17
HEADER 16PX2
Thermistor
VDD33
R14
100K
PIN89
ADC0
NTC1
100K
C11
0.1uF
PIN90
K1
CTKey_SLIDER
PIN72
CTK15
PIN73
CTK14
PIN74
CTK13
PIN75
CTK12
PIN78
CTK11
nuvoTon
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NuTiny-EVB-Nano130-LQFP128 V1.1
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Rev
V1.1